## Attorney Docket No. 20496-486 Substitute Specification (Clean Version)

## Abstract

A high-strength steel is provided that has excellent ductile fracture values J integral even at low temperatures, so the risk of breaking is reduced to a minimum even under unfavorable, hard operating conditions. This is achieved in that the steel contains (in % by weight) 0.08 to 0.25% C, 0.10 to 0.30% Si, 0.80 to 1.60% Mn,  $\leq$  0.020% P,  $\leq$  0.015% S, a sum of the P and S content being  $\leq$  0.030%, 0.40 to 0.80% Cr, 0.30 to 0.50% Mo, 0.70 to 1.20% Ni, 0.020 to 0.060% Al, 0.007 to 0.018% N,  $\leq$  0.15% V,  $\leq$  0.07% Nb, a sum of the V and Nb content being  $\geq$  0.020% and the remainder being iron and inevitable impurities. The steel according to the invention is particularly suitable for the manufacture of high-strength chains.